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of geographical knowledge in the Middle Ages prepared the way for the great discoveries of the Columbian era. The author estimates that less than one-twenty-fifth of the surface of the globe is now unknown. A number of plates reproduce old maps by Beatus, Fra Mauro, Juan de la Cosa, Waldseemüller, Ribero and others.

A Treatise on Electrical Theory and the Problem of the Universe.

Considered from the Physical Point of View, with Mathematical Appendices.

By G. W. de Tunzelmann, B.Sc. xxxi and 654 pp., illustrations and index.

J. P. Lippincott Company, Philadelphia, Pa. \$4.50. $7\frac{1}{2} \times 5\frac{1}{2}$.

The fundamental aim of this extensive treatise is to show the existing state of electrical theory as far as may be without requiring of the reader further mathematical attainments than are regarded as the minimum equipment of the student of physics.

Check-List of North American Birds Prepared by a Committee of the American Ornithologists' Union. Third Edition (Revised).

430 pp., maps and index. American Ornithologists' Union, New York, 1910.

$9\frac{1}{2} \times 6\frac{1}{2}$.

The first Congress of the American Ornithologists' Union in 1883 appointed a Committee, to which was referred the question of a revision of the classification and nomenclature of the birds of North America. This is the third edition of the Check-List, which comprised the results of the work of the Committee. The changes in nomenclature from the second edition are numerous, owing largely to the recent great activity in bibliographical research. The provisional bird zone map illustrating the work is the fourth that has been issued.

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COOKE, WELLS, W. Our Greatest Travelers. Birds that Fly from Pole to Pole and Shun the Darkness: Birds that Make 2,500 Miles in a Single Flight. Maps. *Nat. Geogr. Mag.*, Vol. XXII, No. 4, 1911, pp. 346-365.

FENNEMAN, N. M. Geology and Mineral Resources of the St. Louis Quadrangle, Missouri-Illinois. *Bull.* 438, 1911, U. S. Geol. Surv., 73 pp., Map, Diagrams, and Ills.

FEWKES, JESSE WALTER. Preliminary Report on a Visit to the Navaho National Monument, Arizona. *Bull.* 50, Bur. Amer. Ethnol., Smiths. Inst., 34 pp., Map, Plans, Diagram, and Ills., Washington, 1911.